Derricks & Hoists

Guyless Derricks & Hoists

Stiff Leg Derricks & Hoist

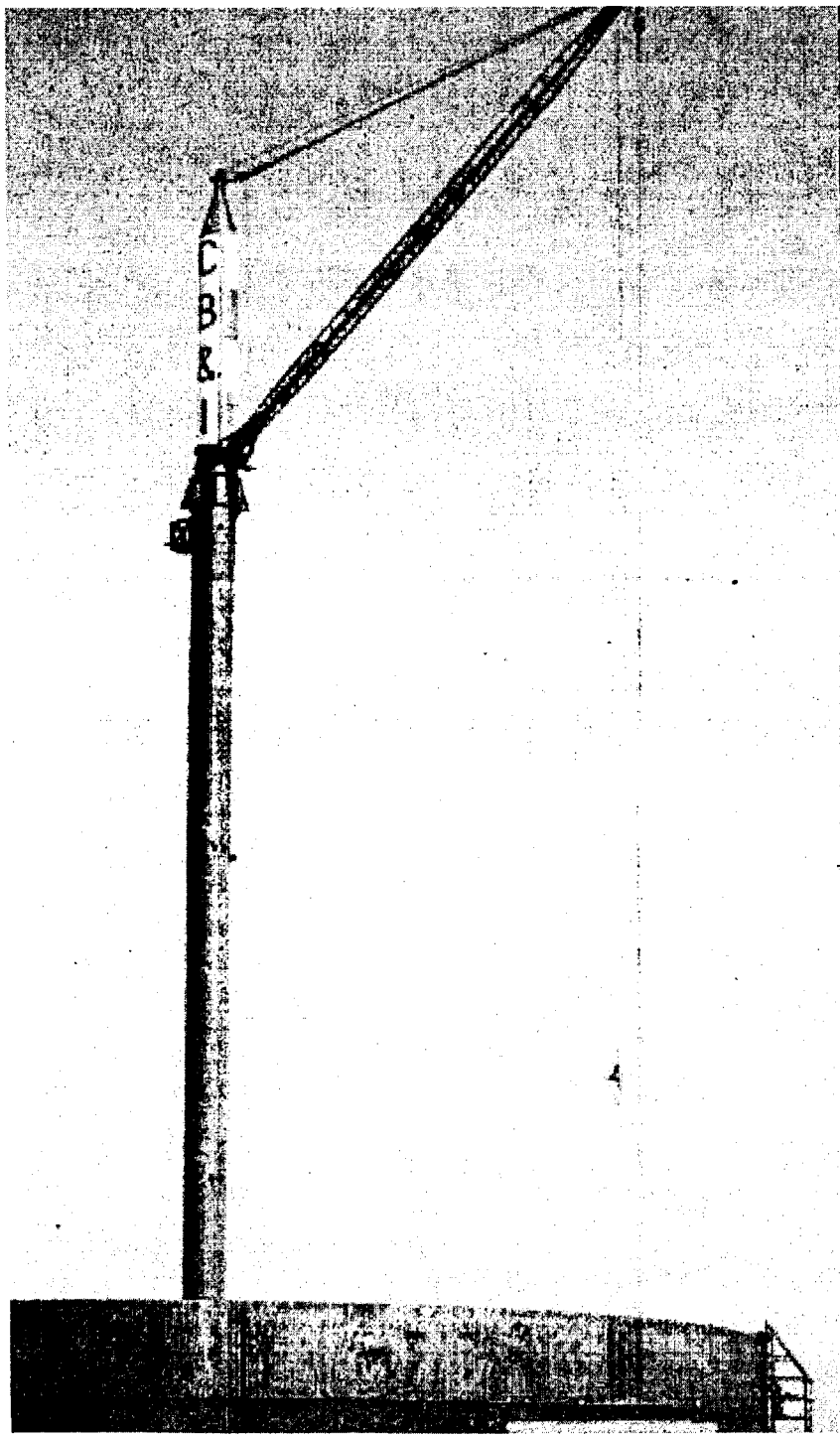
CB&I*epc*

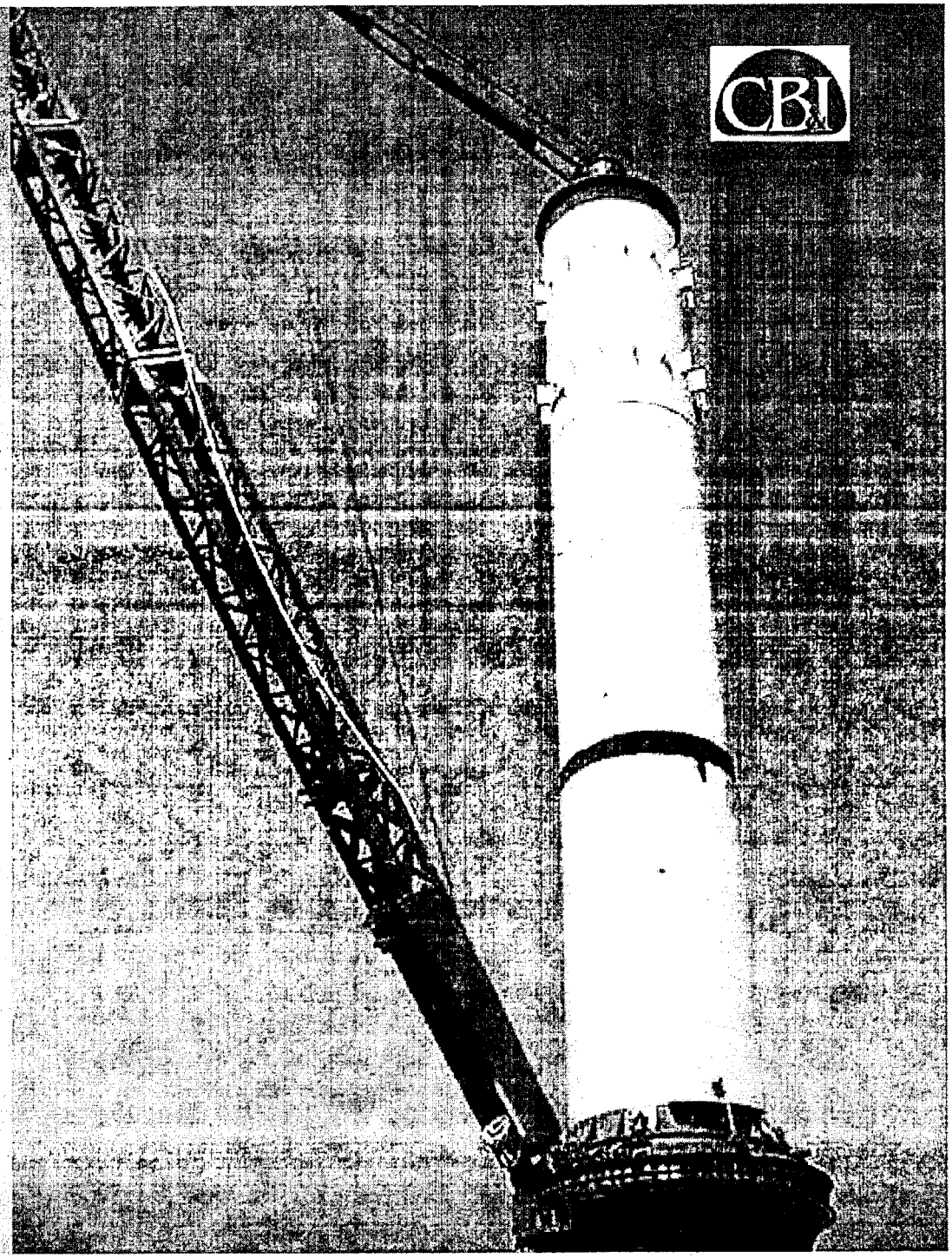
Guyless Derrick

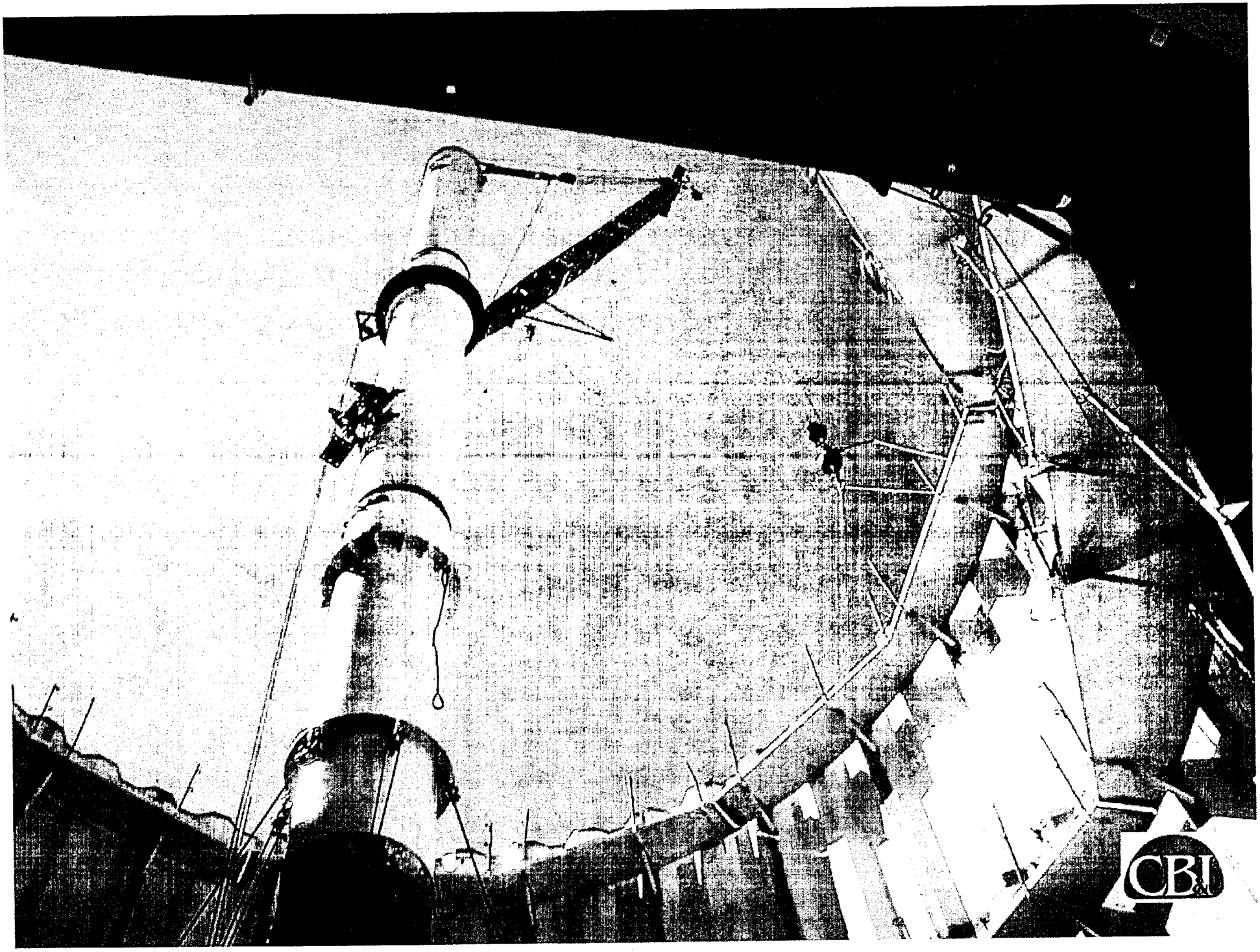
- Used at Municipal & Industrial Sites
- Primary Uses:
  - Erection of Elevated Water Storage Tanks
  - Erection of Egg Digesters
  - Erection of structures not assessable by conventional lifting equipment
- Engineered & Designed By the User
  - Design Based on ASME B30.6

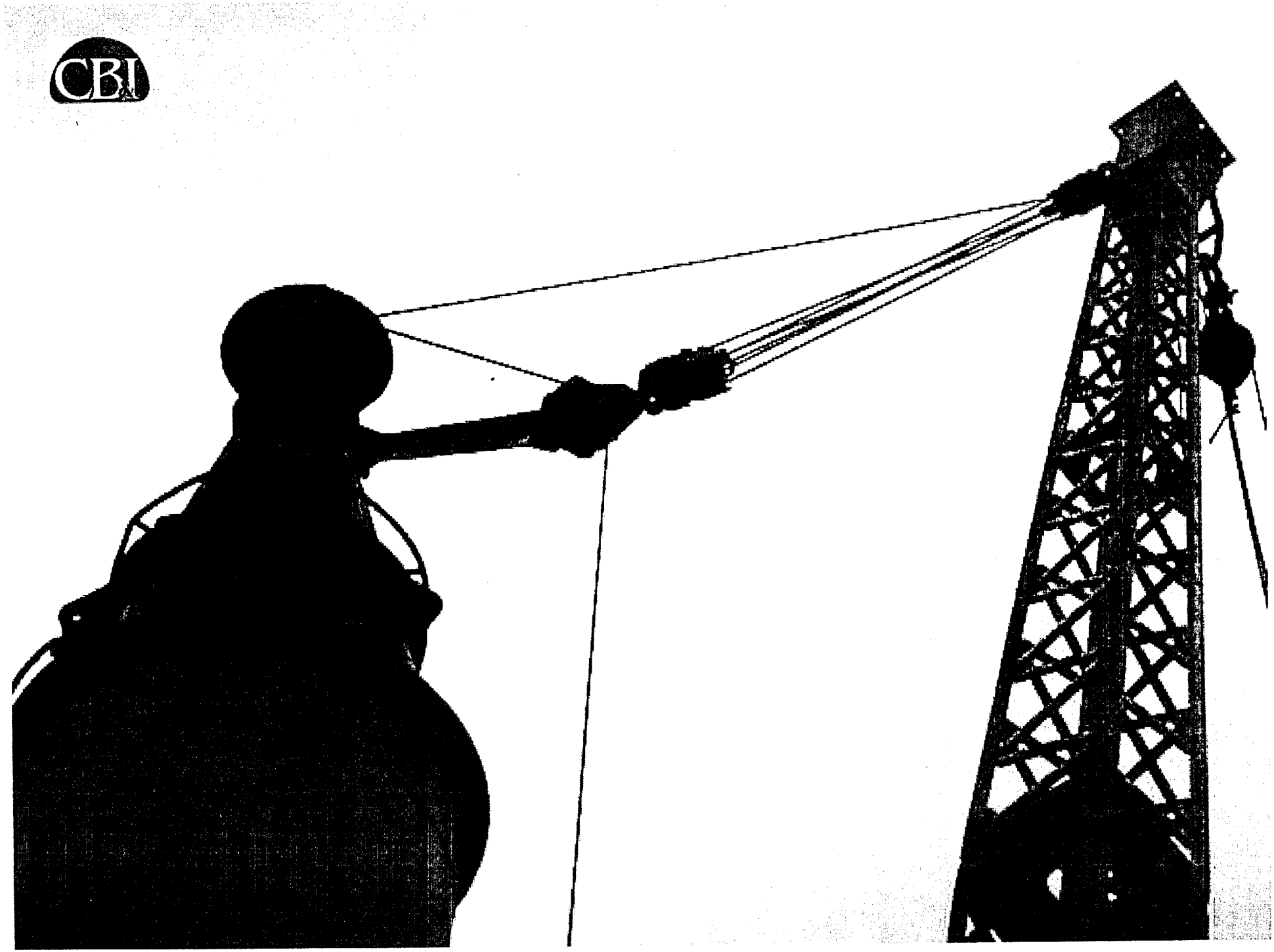
Guyless Derricks cont.

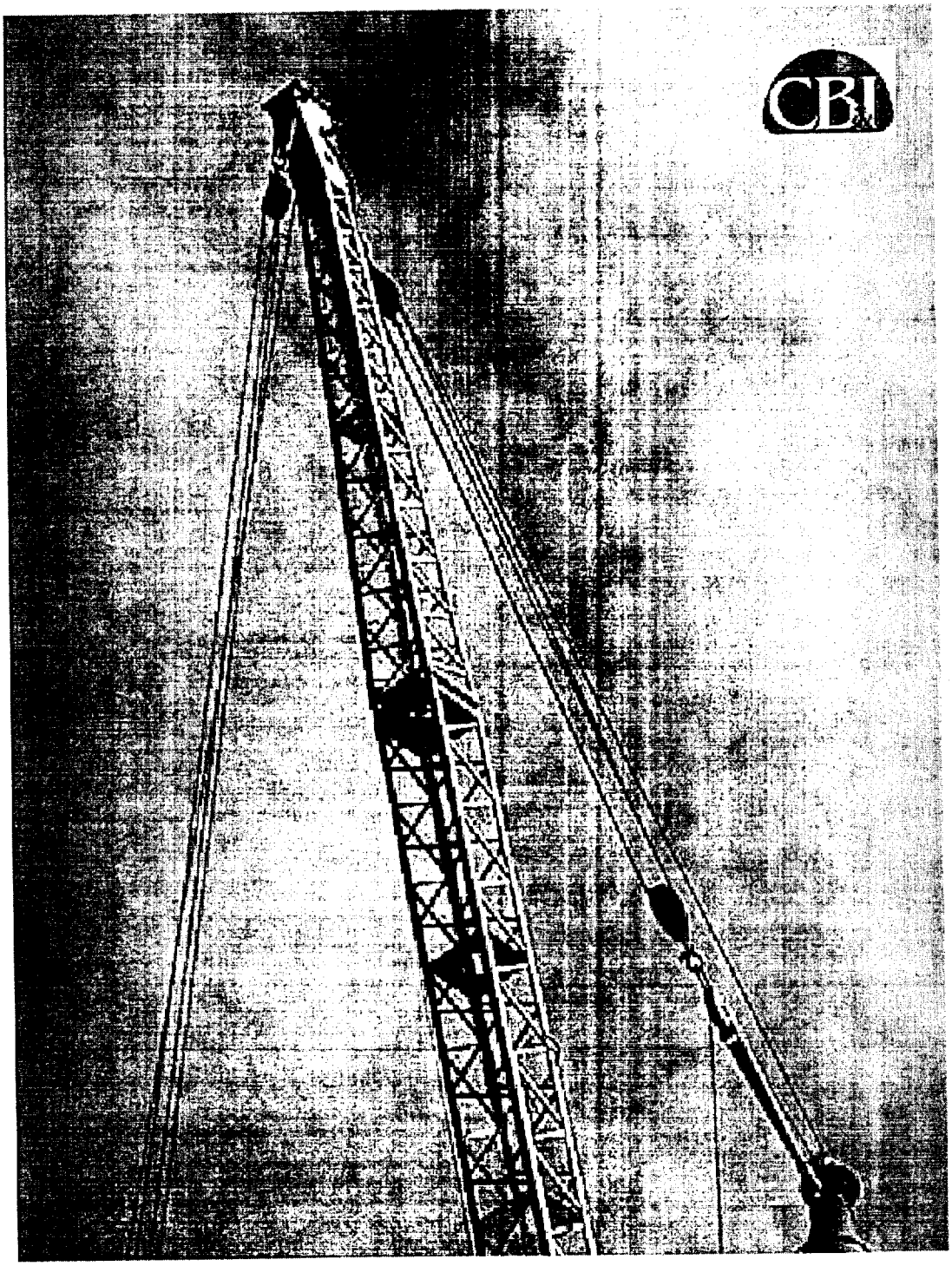
- Must have Hoist (minimum 3 drums) to Operate
- Have all operating capability as conventional cranes with the exception of travel
- Capacities are based on boom length, radius and/or boom angle which range in excess of 20,000 pounds
- Maximum hoist line pull in excess of 9,000 Pounds
- Typically use ½" wire rope for boom, hoist & slew lines (swing)


CB&I


CBI


CBI

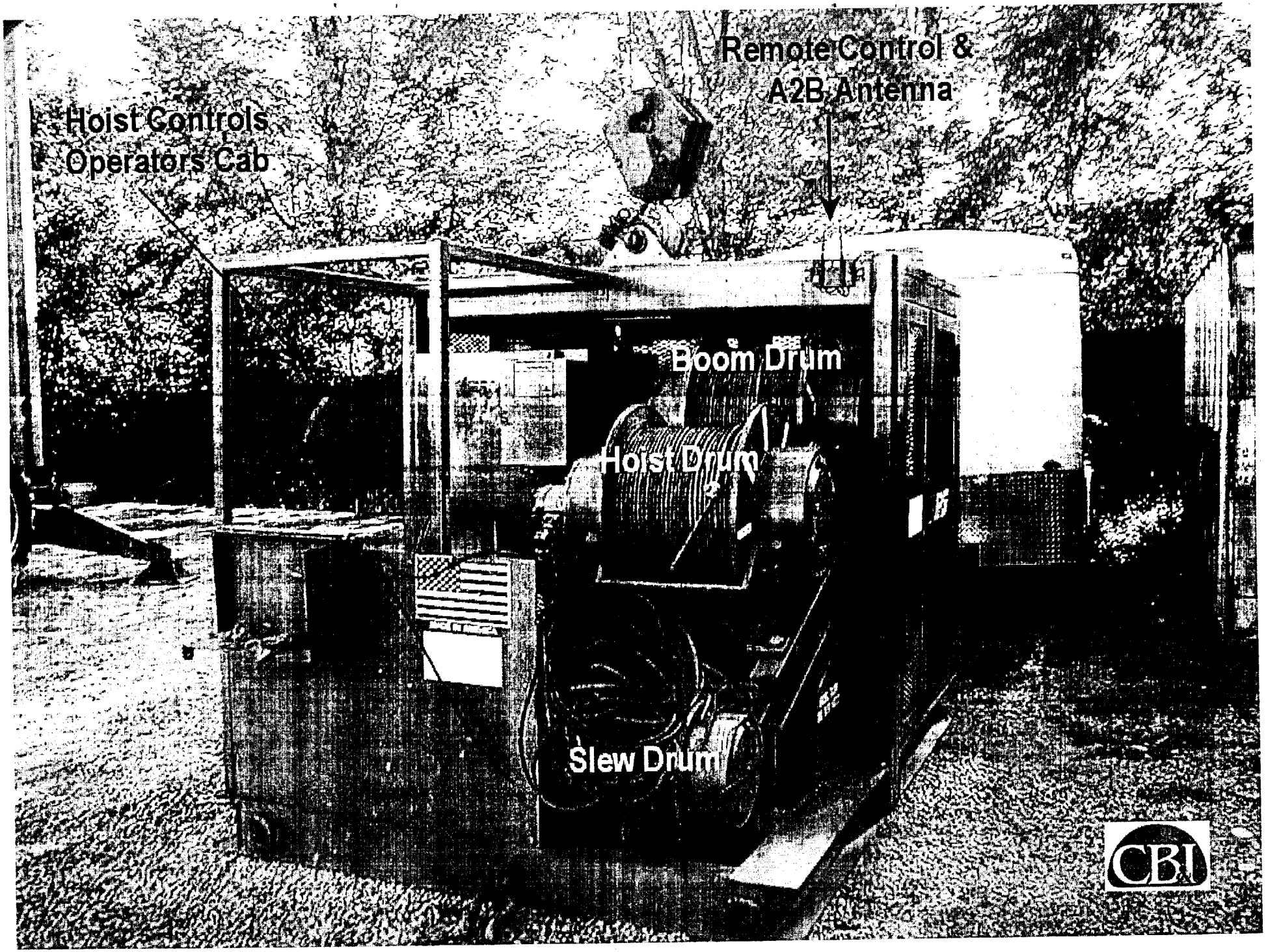

CBI

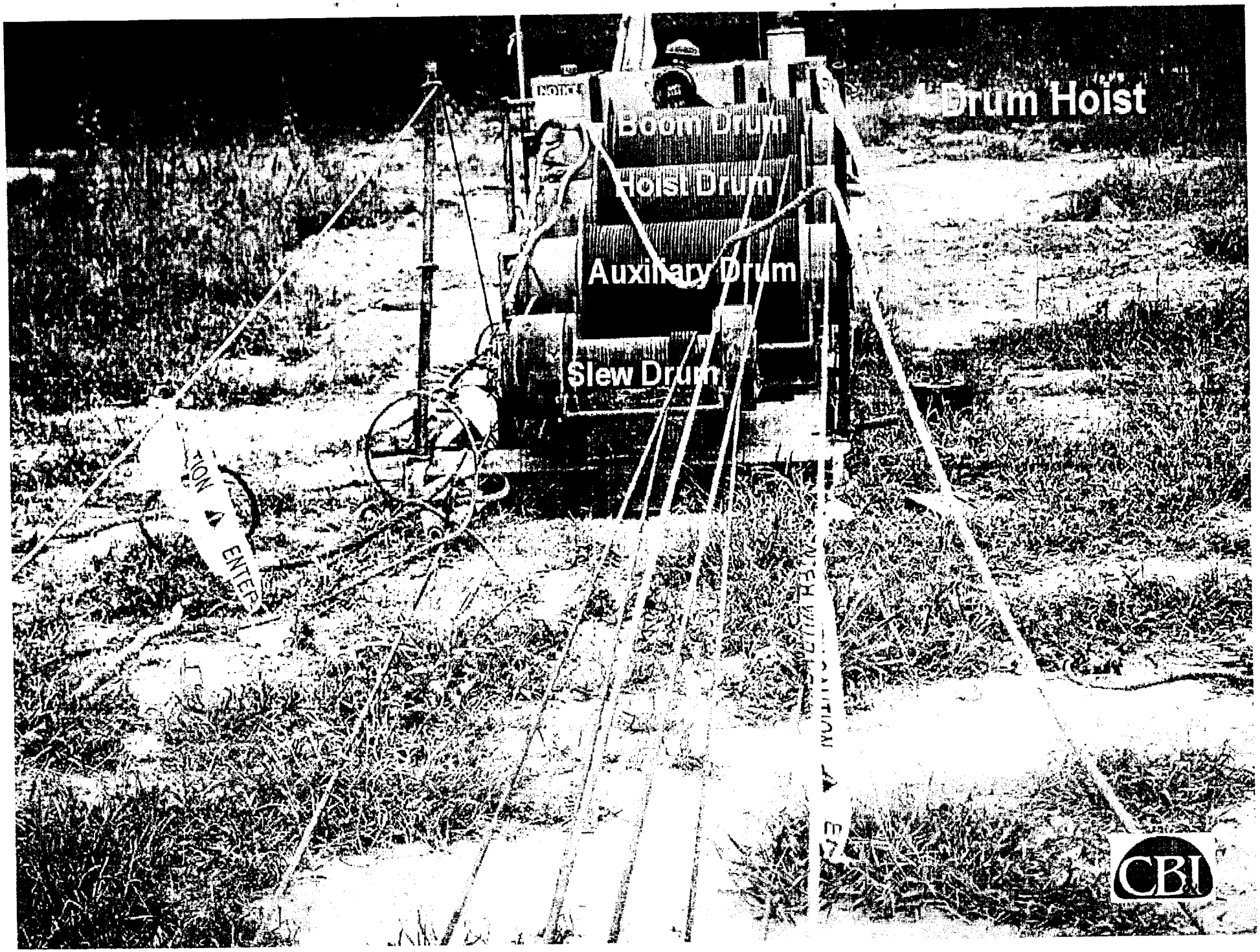

CBI

Guyless Derrick Hoist

3 and 4 Drum Modals

CB&I*epc*


Remote Control &
A2B Antenna
Hoist Controls
Operators Cab
Boom Drum
Hoist Drum
Slew Drum
CBI


Drum Hoist
Boom Drum
Hoist Drum
Auxiliary Drum
Slew Drum
CBI

Stiff Leg Derrick

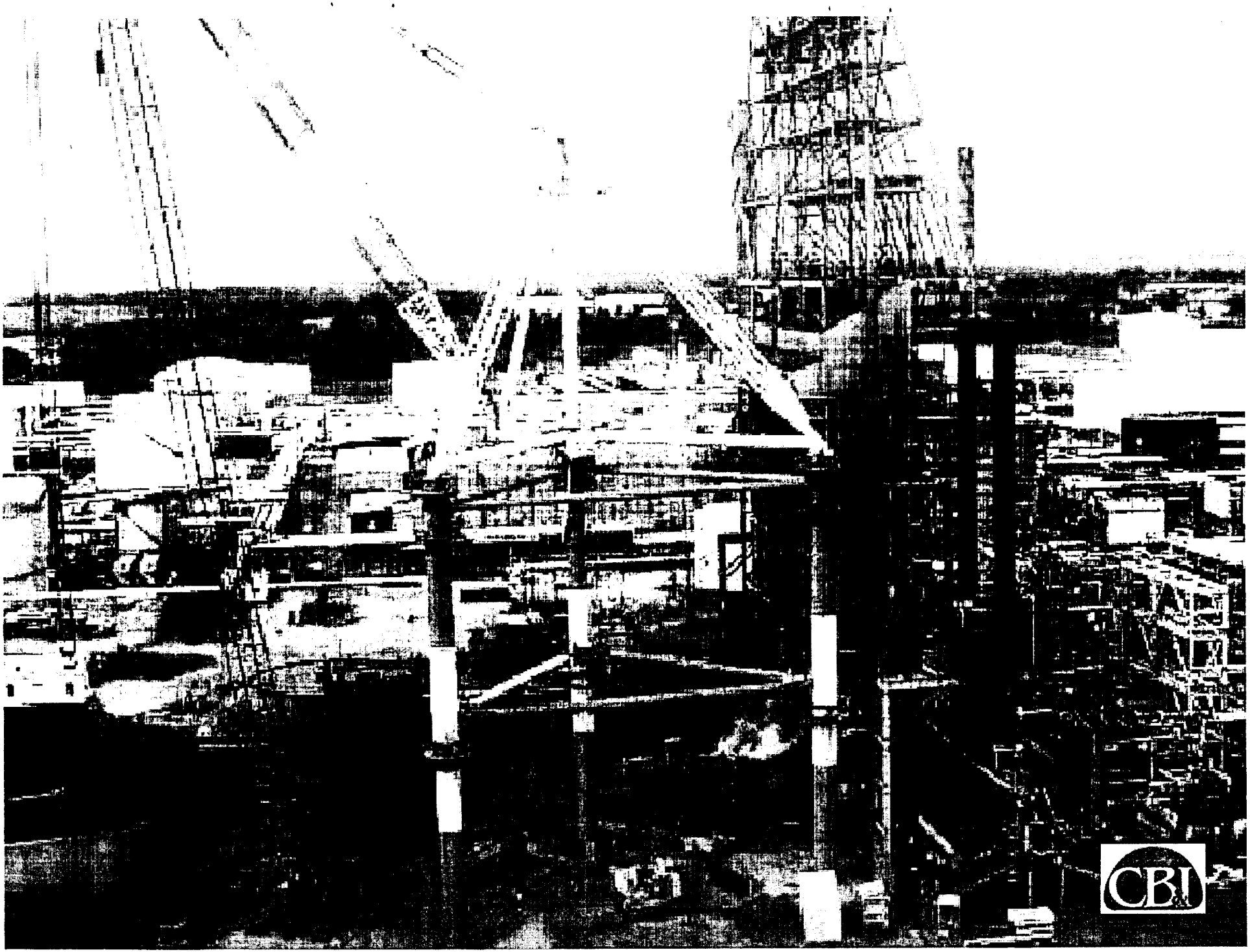
- Used at Industrial Sites
- Manufactured By American
- Must have 4 Drum Hoist to Operate
- Have all operating capability as conventional cranes with the exception of travel
- Capacities Based On Boom Length, Radius and/or Boom Angle

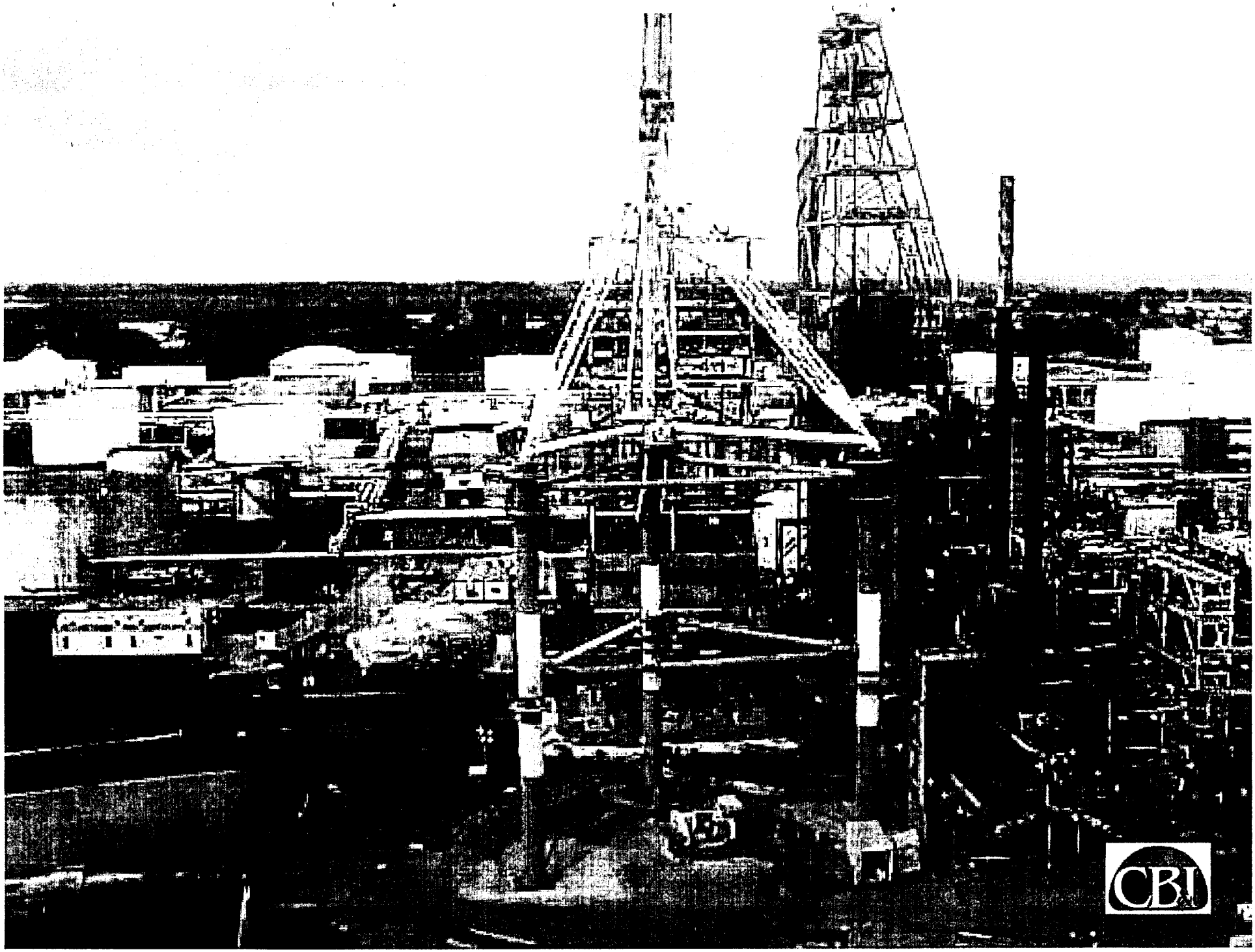
Stiff Leg Derrick cont.

- Capacity Up To 550-Tons
- Use 1 ¼" Wire Rope For Boom, Main Hoist & Auxiliary Hoist
  - Main Hoist – 28-Parts, Continues Reeve on 2 Drums
  - Boom Hoist – 32-Parts
  - Auxiliary Hoist – 2-Parts
    - A Fixed Length Jib Can Also Be Used
- Slewed (swung) By Electric Motor

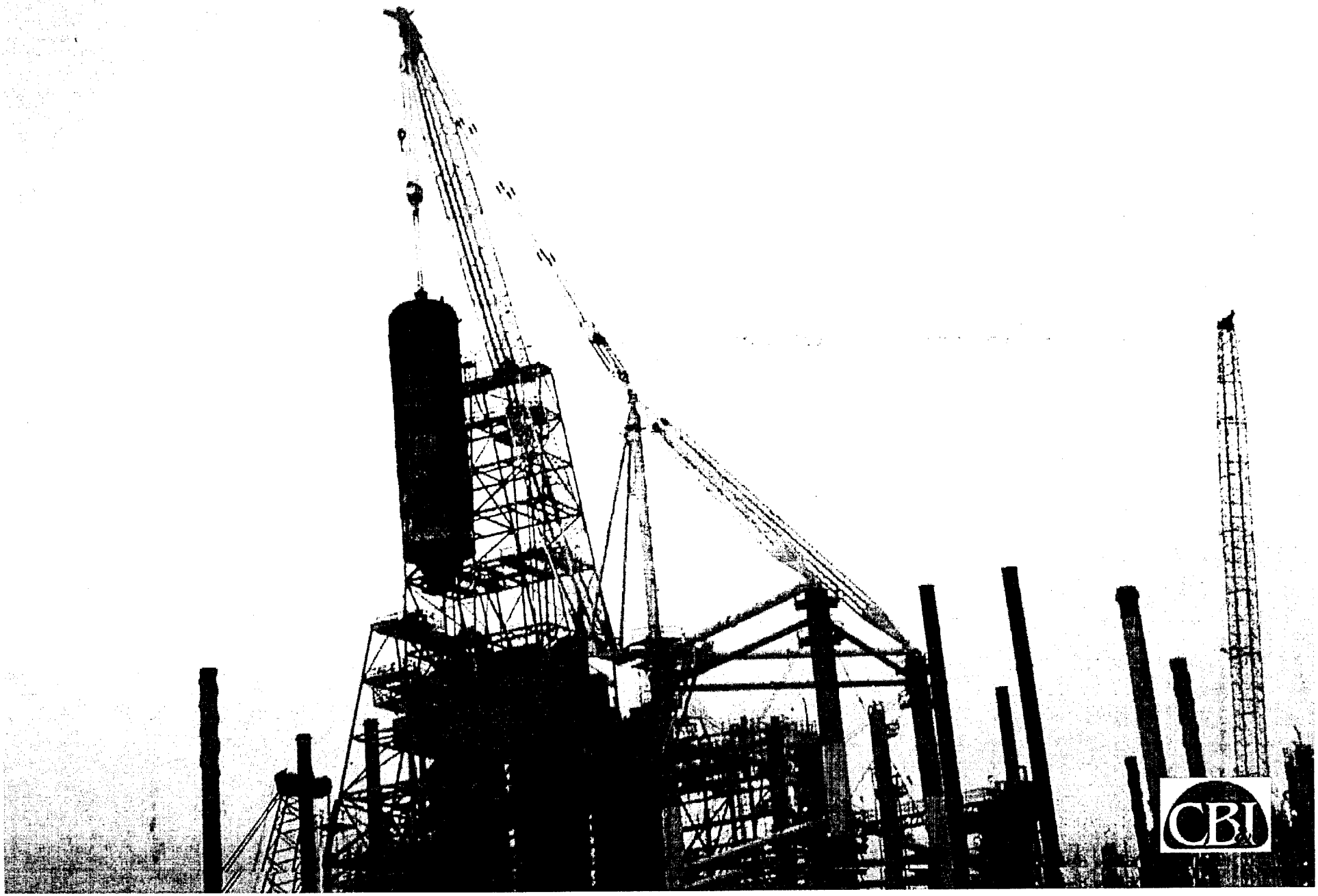
Stiff Leg Derrick cont.

- Equipped With Electronic A2B System
- Close Circuit TV Cameras Located On Boom & Bull Wheel
  - TV Monitor Inside Operator Cab
  - Camera Located On Boom Allows Operator To View Lift
  - Camera Has Zoom & Rotation Capability
    - Controlled By Operator With Joy Stick
  - Camera Located On Bull Wheel Allows Operator To View Slew Motor To Gage Slew Speed & Distance

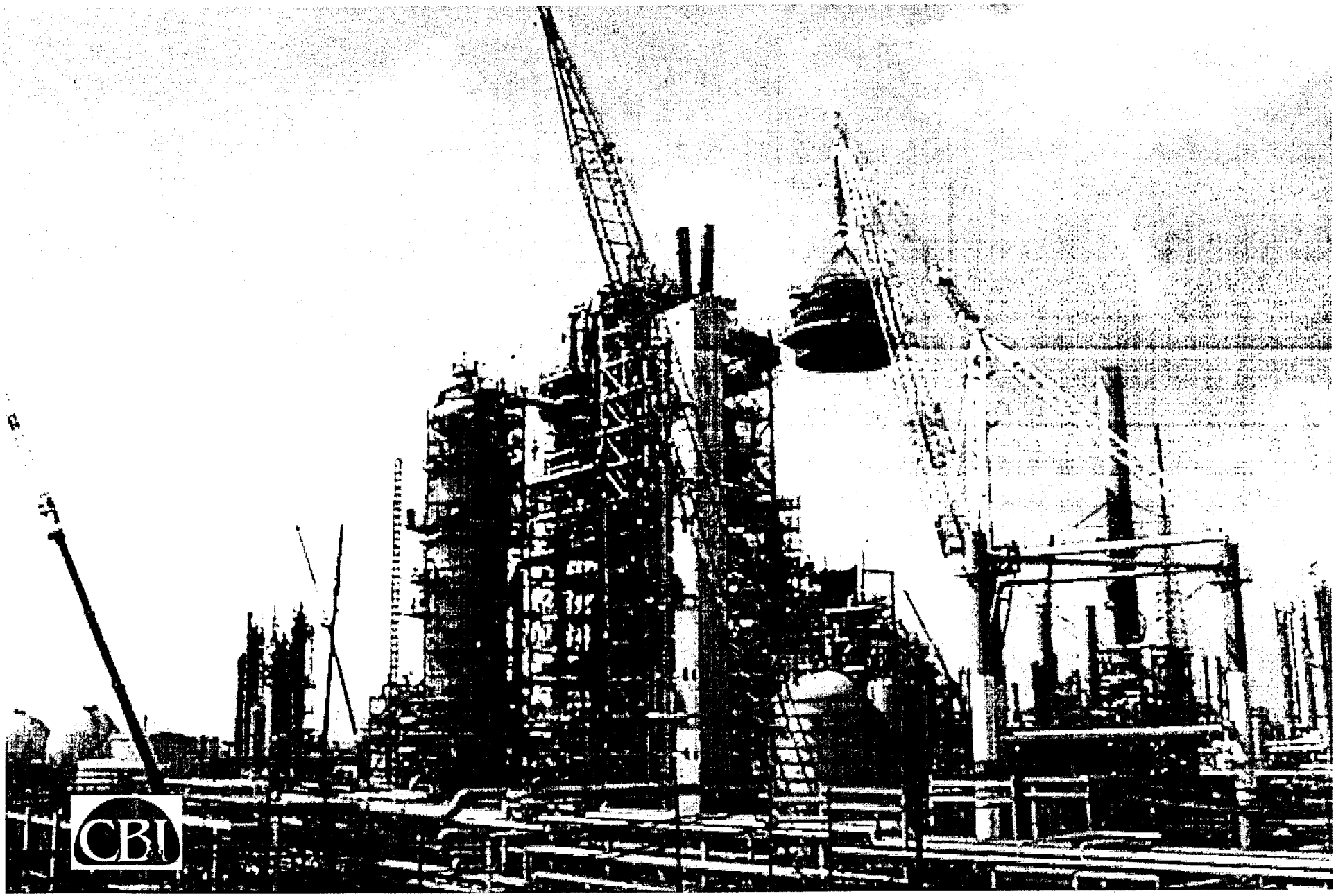

CBI


CBI

CBI

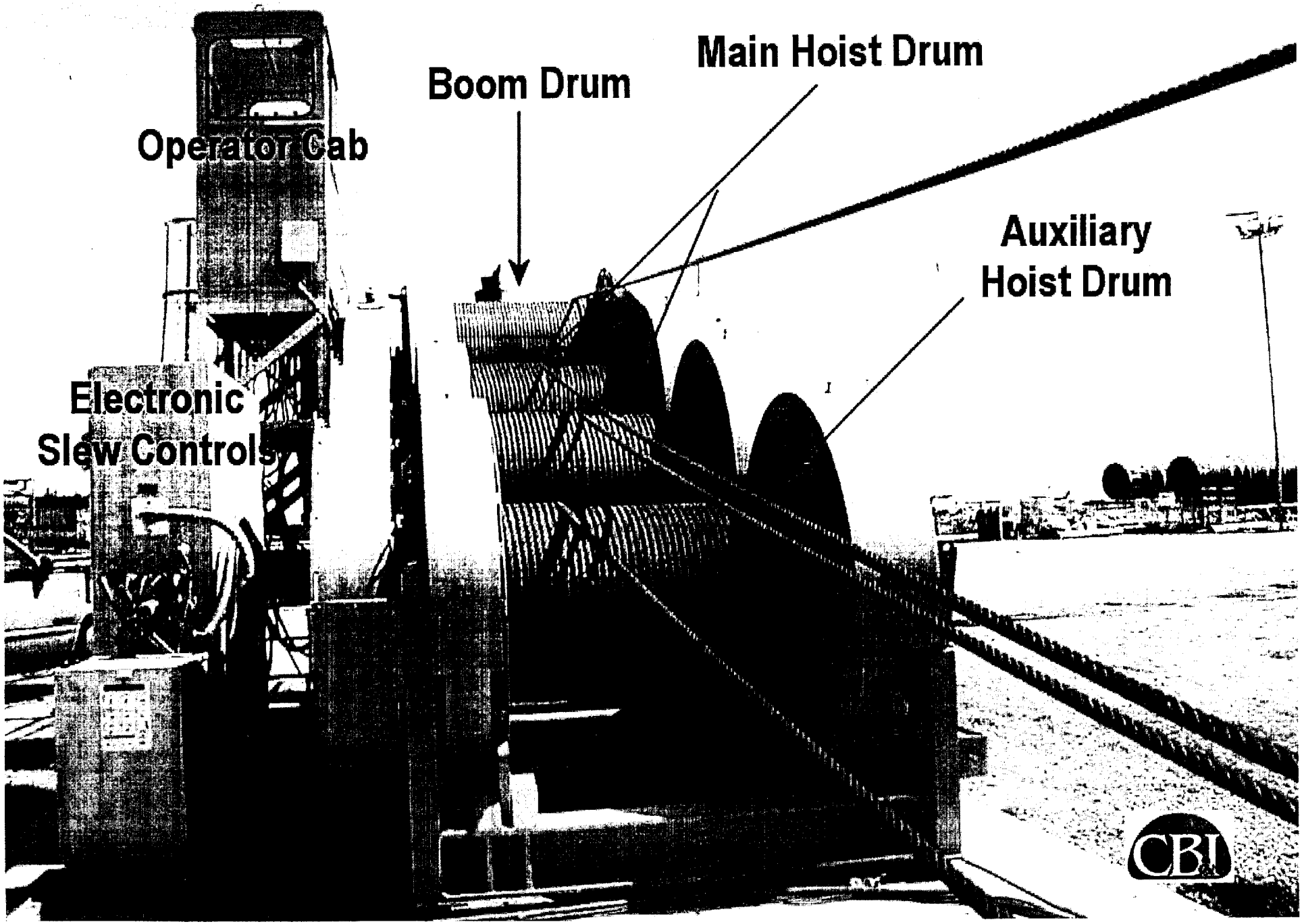

CBI

CBI


CBI

Stiff Leg Derrick Hoist

CB&I*epc*


Main Hoist Drum
Boom Drum
Operator Cab
Auxiliary
Hoist Drum
Electronic
Slew Controls
CBI